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EUSA Reg 350-10

HEADQUARTERS
EIGHTH UNITED STATES ARMY
UNIT #15236
APO AP 96205-0009

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No. 350-10

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TRAINING

EUSA Ranges and Training Areas Policy and Procedures

SUPPLEMENTATION. Issue of further supplements to this regulation by subordinate commands is prohibited unless prior approval is obtained from HQ EUSA, ATTN: EACJ-TD, Unit #15236, APO AP 96205-0009.

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CHAPTER 1

GENERAL

1-1. **PURPOSE.** This regulation provides policy and procedures for the safe operation, scheduling, and use of United States (U.S.) Army, Republic of Korea Army (ROKA), and Republic of Korea Air Force (ROKAF) ranges and training areas throughout the Republic of Korea (ROK).

1-2. **APPLICABILITY.** This regulation applies to U.S. military units scheduling or using U.S. Army and ROK ranges or training areas located within the ROK.

1-3. **REFERENCES.** Required and related publications are listed in appendix A.

1-4. **EXPLANATION OF ABBREVIATIONS.** Abbreviations used in this regulation are explained in the glossary.

1-5. RESPONSIBILITIES

a. Assistant Chief of Staff (ACofS), G3. Responsible for all training and training support within Eighth United States Army (EUSA). Exercises control of U.S. Army ranges and training areas in the ROK and establishes agreements with ROK military commands for use of ROK ranges and training areas. Prioritizes the use of U.S. Army ranges and training areas for EUSA major subordinate commands (MSCs) and commands outside the ROK Theater.

b. ACofS, G3, Training Division. Proponent for all training and training support related actions within EUSA. Establishes policy and procedures for the management, utilization, control, and scheduling of all U.S. Army ranges and training areas within the ROK. Coordinates memorandums of agreement with the ROK military for scheduling of ROKA and ROKAF ranges and training areas.

c. EUSA MSCs. Ensure subordinate units using EUSA and ROK ranges or training areas comply with this regulation, EUSA range and training area operating procedures and requirements, AR 385-62, AR 385-63, and applicable field manuals (FMs) and technical manuals (TMs) relating to weapons, ammunition, and training facilities. MSC commanders are responsible for ensuring their subordinate commands conduct safe and proper training on ranges or training areas.

d. Commanders. The commander using any training facility within the ROK has the ultimate responsibility for all actions which occur on that facility. The commander will designate an officer in charge (OIC) to be responsible for the safe conduct of training and proper use of the facility. When live firing is to be conducted, the commander will appoint a certified safety officer (SO). The designation and presence of an OIC or SO does not relieve the commander of the responsibility for safe conduct of training or firing.

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e. U.S. Army Training Support Activity Korea (TSAK). EUSA Executive Agent responsible for the daily management, control, scheduling, operation, and maintenance of EUSA ranges and training areas. Manages and coordinates resources for operations and maintenance requirements for EUSA Ranges. Establishes and operates the Range Management Division (RMD) to oversee the management of EUSA range functional areas. Appendix B shows the RMD organization.

f. Range Management Division.

(1) Responsible for the safe operation, scheduling, and use of all EUSA ranges and training areas within the ROK.

(2) Operates the EUSA Training Land Management Branch to coordinate with ROK major commands for access to ROK training land. Coordinates agreements between EUSA and the ROKA field armies, ROKAF, and ROK Marine Corps to establish policy and procedures for use of their training land.

(3) Appoints qualified range control personnel to monitor and enforce range safety and operational requirements.

(4) Develops the EUSA range safety program and monitors its effectiveness and enforcement throughout the ROK in conjunction with the EUSA Command Safety Office.

(5) Assigns range inspection personnel to monitor, check, and evaluate using unit compliance with all safety and operating requirements for all live fire ranges and training areas in the ROK in accordance with (IAW) AR 385-63. Enforces compliance whenever safety and operational violations occur by terminating live fire training until corrective actions have been taken.

(6) Develops and staffs the EUSA Five-Year Range Development Plan for military construction, Army projects. Develops long-range plans to upgrade existing U.S. Army training facilities to support new weapons systems or training doctrine using operations and maintenance, Army construction. Point of contact for Combined Defense Improvement Program projects.

(7) Manages assets, whether contract or in-house, that operate EUSA ranges, range control, and other range related functional areas.

(8) Serves as proponent for this regulation and EUSA range and training area operating procedures and requirements.

g. Range Management Branch (RMB) of the RMD.

(1) Operates the Area I Range Control Center (RCC), the Western Corridor RCC, and the ROKA Coordination Section (ROKA-CS). Operates the Range Facility Management Support System (RFMSS) to schedule all EUSA ranges throughout the ROK.

(2) Assists in the development and review of unit safety waiver packets. In conjunction with EUSA or MSC command safety offices, updates current range safety waivers. Publishes local standing operating procedures (SOPs) for the safe operation and use of U.S. Army ranges and training facilities.

(3) Enforces the safe and proper operation of all range and training facilities IAW AR 385-63.

(a) Operates communications facilities for constant monitoring and control of Area I EUSA range and training area activities.

(b) Assigns range inspection personnel to monitor, check, and evaluate using unit compliance with all safety and operating requirements for Area I live fire ranges and training areas IAW AR 385-63. Enforces compliance whenever safety and operational violations occur by terminating live fire training until corrective actions have been taken. Reports these violations to the appropriate MSC command group and RMD.

(c) Excludes immediately safety deficient facilities from scheduling. Forwards information and recommendations on unsafe ranges to the RMD. Deficiencies that require repairs beyond RMD's internal maintenance capability will be evaluated for corrective action and forwarded to the EUSA Command Group as required.

(4) Performs routine maintenance and clearing operations on EUSA ranges using internal assets or an operations and maintenance contract.

(5) Provides coordination assistance for EUSA through the ROKA-CS for the use of ROK military ranges and training areas located in Area I.

(6) Designates and marks danger areas with signs and barriers.

(7) Hosts range conferences to program allocation and use of EUSA ranges and training facilities. Prepares and publishes the EUSA range and training area schedule monthly.

(8) Conducts EUSA range OIC and SO certification testing as established in the EUSA range safety program.

1-6. POLICY. EUSA centralizes range and training area management to provide optimum training support to the command. The RMD executes centralized scheduling and range control functions throughout the ROK.

a. Scheduling of all EUSA ranges and training areas is controlled using the RFMSS. Scheduling procedures are contained in EUSA range and training area operating procedures and requirements.

b. Scheduling of local ROK training areas and ranges will be coordinated through three means.

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(1) The ROKA-CS coordinates ROK ranges and training areas located in Area I for all EUSA MSCs. The ROKA-CS will also assist 2d Infantry Division (2ID) units in coordinating ROKA and ROKAF ranges and training areas located outside of Area I.

(2) In all other areas, the EUSA, G3, Training Division, ROKA Liaison Officer, will coordinate ROKA and ROKAF ranges and training areas for EUSA MSCs.

(3) MSCs are authorized to coordinate directly for ROK ranges and training areas with the owning ROK unit. A listing of all ROK ranges is contained in USFK Pam 350-4.

c. To augment the RFMSS scheduling, the following conferences will be conducted:

(1) The monthly Range and Maneuver Area Allocation Conference (RMAAC) is held at Camp Red Cloud the first part of each month. The conference will be hosted by RMD. Attendees are the RMB, EUSA MSC G/S3s, and 2ID MSC S3s. The RMAAC reviews the RFMSS schedule for the next 4 months and addresses allocation, prioritization, usage conflicts, and other scheduling problems. Attendees will receive an RFMSS range/maneuver area calendar for the next 4 months. Open dates in the schedule will be reallocated if demand exists. The RFMSS System Administrator will provide known range maintenance requirements for the period beyond the fourth month (if available) as developed at the Nontraining Activities Conference (NTAC). Internal scheduling conflicts between EUSA MSCs and their subordinate commands not resolved at the RMAAC will be forwarded to EUSA, ACoFS, G3, ATTN: EACJ-TD, Unit #15236, APO AP 96205-0009, for final arbitration. The conference will also serve as a forum for discussions on safety issues. Detailed information on the RMAAC scheduling process is contained in EUSA range and training area operating procedures and requirements.

(2) The Multi-Purpose Range Complex scheduling conference is held at Camp Red Cloud in June of each year to schedule the next calendar year's activities. Attendees are RMD, EUSA MSC G/S3s, and their subordinate command staffs (as appropriate). MSCs must submit their next calendar year schedule to RMB in May for consolidation in preparation for the June conference. Conference attendees will receive a draft copy of the schedule before the conference. The result of the June conference will be a final schedule which will be distributed to MSCs not later than (NLT) July. Thereafter, quarterly Multi-Purpose Range Complex conferences will be conducted at Camp Red Cloud on the first month of each quarter (beginning in July of the current year). Minor changes to the current and next year calendar will be coordinated.

(3) The quarterly NTAC is held at Camp Red Cloud in the last month of each quarter. The conference will be hosted by RMB. Attendees are RMD, installation facility engineers, installation safety representatives, and explosive ordnance detachment (EOD) representatives. The NTAC schedules

construction, repair, maintenance, erosion control, EOD sweeps, and controlled burns on all ranges. The NTAC will also focus on safety issues to develop requirements and recommendations for ensuring safe training facilities remain available to using units.

1-7. RANGE SAFETY. All EUSA firing facilities will be operated IAW the procedures and safety requirements prescribed by AR 385-62, AR 385-63, this regulation, EUSA range and training area operating procedures and requirements, and applicable FMs and TMs for the particular weapon system being utilized. Any instance of an unsafe act or violation of published safety standards requires the responsible individual on the training facility to immediately terminate live fire training until the unsafe condition is corrected. Any individual observing an unsafe condition is authorized to call an immediate termination of firing. All unsafe conditions and violations of safety requirements will be immediately reported to the controlling RCC.

CHAPTER 2

PROCEDURES

2-1. ADMINISTRATIVE PROCEDURES. RMD will publish and maintain EUSA range and training area operating procedures and requirements to provide detailed information on procedures for the following areas:

- a. Range scheduling using the RFMSS.
- b. RCC operations to include range inspection programs, opening and closing procedures, and usage restrictions.
- c. Range safety procedures and the EUSA OIC/SO range certification process.
- d. EUSA controlled ranges (app C) to include capabilities, limitations, locations, specific requirements for usage, and maintenance/upkeep responsibilities.
- e. Procedures for requesting range support equipment and material.
- f. Unit responsibilities and requirements for range usage by type range.

2-2. RANGE COMMUNICATIONS PROCEDURES.

a. RCCs will be established throughout the ROK to control all EUSA range operations via a range control radio net. Using units will establish and maintain communications with the appropriate RCC upon entering any range facility and make hourly communications checks during training operations. If a unit loses communications with the RCC, that unit will cease live fire training until contact is reestablished. Using units will assign communications operators to monitor the range control net at all times during training.

b. RCCs will be established as follows:

1) Camp Casey area RCC for all ranges in Area I minus the Western Corridor.

(2) Western Corridor RCC for all ranges in the Western Corridor.

(3) Area II RCC for ranges in the Yongsan area.

Area III RCC for ranges in the Camp Humphreys area

Area IV RCC for ranges in the Camp Carroll area.

2-3. RANGE SUPPORT.

a. RMD will provide full-scale targets, target lifting mechanisms, and range operations equipment (that is, paddles, bullhorns, range flags, and so forth) required to support training in Area I. For units in Areas II, III, and IV, RMD will provide paper targets only.

b. Using units will maintain, account for, and return all issued targets and equipment. Units will return issued material, regardless of its condition, the working day following the completion of training.

2-4. KOREAN SERVICE CORPS (KSC) RANGE SUPPORT.

a. KSC personnel are available to provide on-site target device support for units training on Area I ROKA ranges. Forward all requests to RMB in writing NLT 45 days prior to scheduled training.

b. KSC supports Reynolds Range (Area II, Theater Air/Naval/Ground Operations Command Post) to assist units in setting up and operating the range.

c. Other KSC support may be available through the RMD. Units should contact the RMD for assistance on their requirements.

CHAPTER 3

RANGE SAFETY, FIRE, AND MEDICAL SUPPORT

3-1. RANGE SAFETY WAIVERS.

a. Safety waiver authority. EUSA Suppl 1 to AR 385-63 subdelegates limited waiver authority to the Commanding General, 2ID, and the Commanding General, 19th Support Command. Waiver authority cannot be further subdelegated. Waiver authority limitations are specified in AR 385-63 (subpara 1-6d).

b. Requirement for waiver. When safety standards outlined in AR 385-63 cannot be complied with, an approved waiver is required prior to firing. Safety standards established in AR 385-63, or those established by an approved waiver, will be strictly enforced.

c. Initiating and processing range waivers.

(1) The commander of the using unit is responsible for initiating the waiver request. All waiver requests will be coordinated through the TSAK, RMD or one of its branch offices, and the responsible command safety office.

(2) RMB, Area I, will assist users in developing and processing range waiver requests. A checklist to assist in constructing range waivers is provided at appendix D.

d. Justification for range safety waivers. A waiver package must include justification to deviate from published standards and an overlay (1:25,000) indicating the proposed surface danger zone (SDZ) areas for the weapon to be fired. Initiators of range waivers must be prepared to prove acceptable risk within the reduced SDZ.

e. Use of ROK-controlled ranges by EUSA units. EUSA units using ROK-controlled ranges will comply with U.S. Army range safety standards. If the ROK range fails to meet U.S. range safety standards, the commander of the using unit must obtain a waiver of all standards that will be violated. Range waivers for ROK-controlled ranges will be processed as stated in subparagraph 3-1c.

3-2. RANGE SAFETY CERTIFICATIONS.

a. Prior to operating a range, the range officer in charge (ROIC) and the range safety officer (RSO) will be certified by the using unit commander and the responsible RCC. The two certifications will assure that the ROIC and RSO are knowledgeable of the weapon to be fired, range management requirements, and safety responsibilities.

3-5. MEDICAL SUPPORT FOR TRAINING UNITS.

a. Qualified medical personnel. A qualified medic with a dedicated vehicle and medical supplies are required on each live fire range. Trained and certified combat lifesavers may be substituted for qualified medic on live fire ranges when .50 caliber weapons (or smaller) are being fired. A dedicated vehicle and medical supplies (combat lifesaver bag) are also required.

b. Emergency medical evacuation (MEDEVAC). Emergency MEDEVAC will be requested through the appropriate MEDEVAC or RCC radio net. Emergency MEDEVAC telephone numbers or radio frequencies will be conspicuously posted by the using unit in the vicinity of their radio communications systems. MEDEVAC frequencies will also be prominently displayed on the range identification sign posted at the range entrance.

c. Requesting emergency medical assistance. Requester should be prepared to provide the following minimum information:

Unit call sign.

Location and description of injuries.

Number of patients by type (litter or ambulatory) and nationality.

4) Precedence (routine, urgent, immediate).

(5) Special equipment (blood, jungle penetrator, and so forth).

Location of helicopter landing site and markings.

Security of landing site.

If time permits, describe the injury in more detail.

CHAPTER 4

RANGE RESTRICTIONS

4-1. MODIFICATION OF RANGES. Each EUSA range facility will be used only for its intended purpose. Training on each facility will be IAW DA Pam 350-38 and the applicable FM for the authorized weapons, ammunition, or explosive. Proposed modifications to a range facility or to the training specifications for that facility must be authorized by the EUSA, ACoFS, G3, Training Division, through the RMD. Units desiring to physically modify a facility (for example, dig holes, build additional target pits, move target stands, and so forth) must submit a memorandum outlining the proposed changes through the RMD to EUSA, ACoFS, G3, ATTN: EACJ-TD, Unit #15236, APO AP 96205-0009, NLT 30 calendar days before the requested modification date.

4-2. AMMUNITION.

a. Ammunition will be properly handled, transported, stored, accounted for, and expended at all times. Field ammunition holding areas must be secured by concertina wire and a 24-hour guard force.

b. Only qualified explosive ordnance disposal technicians from the EOD will touch or handle suspected or known duds. The location of duds will be marked by a distinctive marker such as engineer tape or a red flag. The area approximately 4 feet in radius from the dud will be marked. Stakes will not be used to mark dud areas as vibrations from pounding them into the ground may cause detonation.

c. All malfunctions involving ammunition and explosives, including duds, will be reported immediately to RCC. RCC will notify EOD, the appropriate surveillance and accountability control team and command safety of reported malfunctions.

4-3. RANGE OIC AND SO. Personnel serving as OIC and SO for all EUSA live fire ranges and training areas will be in the grade of E7 or higher. Exceptions to this policy are as follows.

a. When firing on a subcaliber range, the minimum grade is E6.

b. On small arms ranges, an MSC may request a waiver to allow E6 OICs or SOs. Requests for waiver must be in memorandum format, contain suitable justification for the waiver, and be submitted to the EUSA, ACoFS, G3, ATTN: EAJC-TD, Unit #15236, APO AP 96205-0009, for approval. Approved waivers are valid for 1 year only.

SMALL ARMS FIRING.

a. Personnel responsible for training on EUSA small arms ranges will be thoroughly familiar with this regulation, AR 385-63, EUSA range and training area operating procedures and requirements, applicable Army pamphlets, range and weapon-specific FMs and TMs. Common sense and good judgment will be used by all personnel when using firing facilities.

b. The OIC and SO must go to the servicing RCC at least 1 day before firing and sign for range support material (applicable range SOPs, applicable safety waivers, flag, safety paddles, opening and closing instructions, frames for E-type silhouettes, and targets). The OIC and SO must present their EUSA range safety certification card and sign a statement verifying that they have read and understand this regulation, EUSA range and training area operating procedures and requirements, and current safety waivers. A copy of each of these documents and those signed out from the RCC must be present on the range during training.

M1/M2 GUNNERY RANGES.

a. Personnel detailed as the OIC of M1/M2 firing ranges will be in the grade of E7 or higher. The OIC is responsible for safety of range operations during firing and that all safety requirements are adhered to on the range.

b. Battalion commanders may publish more restrictive safety directives. However, these directives must conform to the provisions of AR 385-63, AR 385-62, EUSA range and training area operating procedures and requirements, and this regulation. In no case will subordinate command publications be less restrictive or eliminate any of the safety checks required herein.

4-6. INDIRECT FIRE WEAPONS.

a. Requests for firing points for indirect fire training will be submitted to the ROKA-CS for scheduling. A copy of this request must also be submitted to Area I RCC NLT 7 days prior to the scheduled firing for safety approval. No indirect firing will be scheduled by the ROKA-CS without Area I RCC safety approval.

b. Commanders will employ command certified section chiefs to perform safety procedures within firing sections. These personnel must be noncommissioned officers in the rank of staff sergeant or above, assigned as a section chief. They must have been trained, tested, and certified by the battalion commander as qualified to perform safety checks on the weapon and to accept final responsibility for ensuring the safe firing of each round.

c. Battalion commanders may publish more restrictive safety directives. However, these directives must conform to the provisions of AR 385-63, AR 385-62, EUSA range and training area operating procedures and requirements, and

this regulation. In no case will subordinate commands be less restrictive or eliminate any of the safety checks required herein.

4-7. DEMOLITION, MINE, AND CLAYMORE TRAINING

a. All demolitions firing will be conducted IAW requirements set forth in AR 385-63, applicable FMs/TMs, current range safety waivers, EUSA range and training area operating procedures and requirements, and this regulation.

b. Demolition training will not be conducted during electrical storms. The largest charge authorized to be detonated in training on EUSA ranges and training areas is 50 pounds. This detonation must be contained within the training area boundary. Units wishing to exceed the 50-pound limit must request a range safety waiver for the specific range or training area to be used.

c. The OIC will be a sergeant first class or above and will be battalion-level command safety certified on the demolitions or explosives being employed. The OIC will supervise the neutralization of all routine misfires using the procedures contained in FM 5-250. For exceptional misfire conditions, RCC may be contacted for assistance.

4-8. COMBINED ARMS LIVE FIRE EXERCISES (CALFEXs).

a. All CALFEX scenarios must be submitted for safety approval to the RMB at least 30 days prior to the start of training. The scenario will include an overlay of the proposed training, a sequence of events, and proposed weapons to be fired. RMB will assist commanders and trainers in selecting and planning all CALFEXs.

b. Prior to live firing, units must conduct dry fire and Multiple Integrated Laser Engagement System rehearsals until the chain of command is satisfied with control and safety procedures. Army aviation units will only conduct dry fire rehearsals.

c. Additionally, positive signal responses (signal requiring responses by both parties) will be used as the primary means to shift, lift, cease, or otherwise control all fires.

4-9. TRAINING NORTH OF THE IMJIN RIVER.

a. In areas north of the Imjin River, ROKA units routinely conduct live ambush patrols. Special coordination is required to ensure safety. Units must perform liaison with the appropriate ROKA regimental and lower headquarters to ensure that maneuvers, routes of march, live fires, and use of pyrotechnics and blank ammunition are known by the ROKA units operating in the area. Coordination with ROKA units includes providing them a detailed overlay specifying locations of U.S. units and confirmation of the challenge and password.

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b. Crossing of Freedom, Libby, and Chonjin Bridges is restricted, especially at night. Crossings require coordination with the ROKA NLT 72 hours prior to actual time of crossing. Assistance for coordination can be obtained from the RMB, ROKA-CS.

The proponent of this regulation is the Office of the Assistant Chief of Staff, G3. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander, EUSA, ATTN: EACJ-TD, Unit #15236, APO AP 96205-0009.

FOR THE COMMANDER:

OFFICIAL:

WILLIAM D. MCGILL II
Colonel, USA
Chief of Staff



JAM D. ALLEN
Lieutenant Colonel, AG
Assistant Adjutant General

DISTRIBUTION:

A

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Unit #15236, APO AP
96205-0009

APPENDIX A

REFERENCES

Section I. Required Publications

AR 385-62 (Regulations for Firing Guided Missiles and Heavy Rockets for Training, Target Practice, and Combat). Cited in paragraph 1-7 and subparagraphs 1-5c, 4-5b, and 4-6c.

AR 385-63 with EUSA Suppl 1 (Policies and Procedures for Firing Ammunition for Training, Target Practice and Combat). Cited in paragraph 1-7 and subparagraphs 1-5c, 1-5f(4), 1-5g(3), 1-5g(3)(b), 3-1a, 3-1b, 4-4a, 4-5b, 4-6c, and 4-7a.

DA Pam 350-38 (Standards in Weapon Training). Cited in paragraph 4-1.

FM 5-250 (Explosive and Demolitions). Cited in subparagraph 4-7c.

USFK Pam 350-4 (USFK Range Catalog). Cited in subparagraph 1-6(3).

Section II. Related Publications

AR 40-46 (Control of Health Hazards from Lasers and Others High Intensity Optical Sources).

AR 75-1 (Malfunctions Involving Ammunition and Explosives).

AR 75-15 with EUSA Suppl 1 (Responsibilities and Procedures for Explosive Ordnance Disposal).

AR 95-1 (Army Aviation Flight Regulation).

AR 200-2 (Environmental Effects of Army Actions).

AR 385-9 (Requirements for Military Lasers).

AR 385-10 with EUSA Suppl 1 (The Army Safety Program)

AR 385-40 with EUSA Suppl 1 (Accident Reporting and Records).

AR 385-64 with EUSA Suppl 1 (Ammunition and Explosives Safety Standards).

AR 385-65 (Identification of Inert Ammunition and Ammunition Components).

ARTEP 7-20-MTP (Mission Training Plan for the Infantry Battalion).

ARTEP 17-55 (The Armored Cavalry Squadron)

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ARTEP 71-1-MTP (Mission Training Plan for the Tank and Mechanized Infantry Company and Company Team).

ARTEP 71-2-MTP (Mission Training Plan for the Mechanized Infantry Battalion Task Force).

ARTEP 71-3-MTP (Mission Training Plan for the Heavy Brigade Command Group and Staff).

ARTEP 42-007-30 (The Supply and Service Company, Main Support Battalion, Heavy Division).

EUSA Reg 95-1 (EUSA General Provisions, Flight Regulations and Training Guidance).

FM 6-30 (Tactics, Techniques, and Procedures for Observed Fire).

FM 6-40-4 (Field Artillery Lance Missile Gunnery).

FM 7-8 (The Infantry Platoon and Squad).

FM 9-15 (Explosive Ordnance Disposal Service and Unit Operations).

FM 17-12-1 (Tank Combat Tables, M1).

FM 17-12-2 (Tank Combat Tables M48A5/M60A1).

FM 17-12-3 (Tank Combat Tables M60A3).

FM 17-12-7 (Tank Combat Training Devices).

FM 17-95 (Cavalry Operations).

FM 19-30 (Physical Security).

FM 20-32 (Mine/Countermining Operation).

FM 21-10 (Field Hygiene and Sanitation).

FM 21-11 (First Aid for Soldiers).

FM 21-26 (Map Reading and Land Navigation).

FM 21-75 (Combat Skills of the Soldier).

FM 22-100 (Military Leadership).

FM 23-1 (Bradley Fighting Vehicle Gunnery).

FM 23-8 (M14 and M14A1 Rifle and Rifle Marksmanship).
FM 23-9 (M16A1 and M16A2 Rifle Marksmanship).
FM 23-11 (90mm Recoilless Rifle, M67).
FM 23-14 (Squad Automatic Weapon (SAW) M249).
FM 23-27 (MK/19 40MM Grenade Machine Gun Mod 3).
FM 23-30 (Grenades and Pyrotechnic Signals).
FM 23-31 (40MM Grenade Launchers, M203 and M79).
FM 23-33 (66MM Heat Rocket M72A1, M72A2).
FM 23-34 (TOW Weapon System).
FM 23-35 (Combat Training with Pistols and Revolvers).
FM 23-41 (Submachineguns Caliber .45, M3, and M3A1).
FM 23-65 (Browning Machinegun Caliber .50 HB, M2).
FM 23-67 (Machinegun 7.62mm M60).
FM 23-90 (Mortar (TO 11W2-5-13-21)).
FM 23-91 (Mortar Gunnery).
FM 25-100 (Training the Force).
FM 25-101 (Focused Training).
FM 44-1-2 (Air Defense Artillery Reference Handbook).
FM 44-4 (Operations and Training, Chaparral).
FM 44-5 (Operations and Training Vulcan).
FM 44-100 (US Army Air Defense Operations).
FM 71-1 (Tank and Mechanized Infantry Company Team).
FM 71-3 (Armored and Mechanized Infantry Brigade).
FM 90-2 (Battlefield Deception).

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FM 100-5 (Operations).

FM 100-103 (Army Airspace Command and Control in a Combat Zone).

FM 101-5-1 (Operational Terms and Symbols).

FT 4.2-H-2 (Mortar, 4.2": M30 Carrier, 107mm Mortar: M106A, and M106 Firing: HE, M329A1 Smoke WP M328A, Tactical CS, XM630 Ill, M335A1, Ill, M335A2).

FT 4.2-K-2 (Mortar, 4.2", M30 Firing: HE, M329A2).

FT 8-T-1 (Firing Table for Cannon, 8-inch How M201A1 on How, Heavy, Self-propelled, 8-inch, M110A2 Firing Projectile, HE, M509A1).

FT 60-P1 Mortar, 60mm: M224 Firing: HE, M720 WP, M302A1 HE, M49A4 TP, M50A3, Ill, M83A3).

FT 60-P-1 Mortar, 60mm: M224 firing: HE, M720 HE, M44A4 TP, M503A3 WP, M302A1).

FT 60-60-Q-1 (Firing Table for Mortar 4.2 inch, M30 with 60M, M31, Sub Assembly Firing Cartridge, HE M49A4, TP M50A3, WP M301A1 Ill M83A3).

FT 81-AI-3 (Mortar, 81mm: M21A1 and M29: Mortar 81mm (SP): M125A1 and M125: Carrier, 81mm Mortar: Tracked, XM755 Firing: HE, M374A2 and M374 WP, M375A2 and M375 Ill, M301A3 Training M68).

FT 81-AQ-1 (Mortar, 81mm: M29A1 and M29: Mortar 81mm (SP): M125A1 and M125: Carrier, 81mm Mortar: Tracked, M755 Firing: HE, M374A3).

FT 81-AR-1 (Mortar, 81mm: M252 Firing: HE, M821 HE, M889 RP, M819).

GTA 7-1-30 (Range Operations Checklist).

TB 9-1300-385 (Munitions Restricted or Suspended).

TB 524 MED (Occupational and Environmental Health Control of Hazards to Health From Laser Radiation).

TC 6-40 (Field Artillery Manual Cannon Gunnery).

TC 6-40A (Field Artillery, Automated Cannon Gunnery).

TC 6-71 (Fire Support Handbook for the Maneuver Commander).

TC 23-2 (66MM Rocket Launcher M202A1).

TC 23-14 (Sniper Training and Employment).

TC 25-1 (Training Land).

TM 9-1010-230-23&P (Machinegun, 40mm, MK19 Mod 3 Unit and Direct Support Maintenance Manual (Including Repair Parts and Special Tools List)).

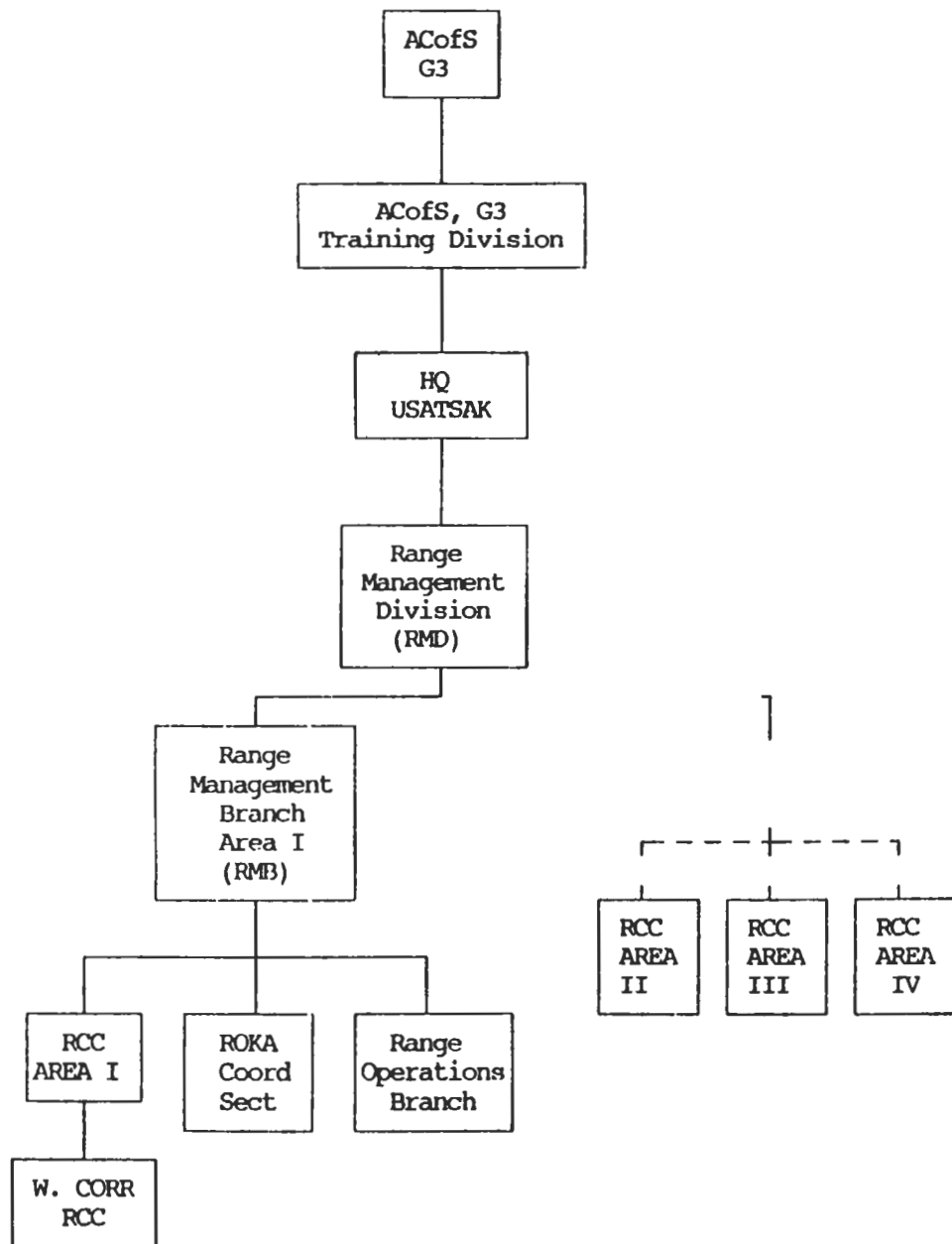
TM 9-1300-200(2) (Ammunition, General).

TM 9-1300-206(1) (Ammunition and Explosives Standards).

TM 9-1345-203-12 & P (Operator's and Organization Unit Maintenance Manual (Including Repair Parts and Special Tools Lists) for Land Mines).

APPENDIX B

EUSA RANGE MANAGEMENT DIVISION ORGANIZATION.



Control

Operational control

APPENDIX C

EUSA RANGE MATRIX

	CAMP CASEY				CAMP HOVEY			U J B	INDIANHEAD TRAINING CENTER				
	A P A C H E	I N G M A N	K O U M A	P O M E R O Y	B A R K E R	S H E A C P Q C	S H E A R F L	N S T A R	M P R C	C H E R O K E E	O B C	W A T K I N S	W A R R I O R V
PISTOL 9MM/.38/.45		B	B	B	B	B		B	B	B		B	B
M12 SHOTGUN		O		O	O		O	O		O		O	O
M16A1/A2	B	B			B			B	B	B		B	B
M3 SMG (45 CAL)		B		B	B	B		B	B	B			B
M1/M2/M3 7.62/5.56			S						B				
M249 SAW (5.56)		B			B		B	B	B	B			B
M60 MG (7.62)		B			B		B	B	B	B			B
M14/21/24 (7.62)		B			B		B	B	B	B		B	B
M2 HB MG (M50)		B							B	B			
20MM CANNON									T				
VULCAN									T				
2.75MM FFAR									T				
M67 90MM RR													
M72A1/A2 LAW		S			S				S	S			S
AT-4		S			S				S	S			S
DRAGON									T				T
TOW									T				T

B - Ball
E - Explosive

O - 00 Buckshot
H - HE (Impact Area Only)

S - Sub Caliber

T - Tng Practice

	CAMP CASEY				CAMP HOVEY			U J B	INDIANHEAD TRAINING CENTER				
	A P A C H E	I N G M A N	K O U M A	P O M E R O Y	B A R K E R	S H E A C P Q C	S H E A R F L	N S T A R	M P R C	C H E R O K E E	O B C	W A T K I N S	W A R R I O R V
M2/M3 BRADLEY TOW									T				
AERIAL TOW									T				
M130 CHAFF									T				
M1 105MM			S						T				
165MM HEP													E
M203 (40MM)		T			T				T	T			T
MK-19													
60MM MORTAR			S						I				H/I
81MM MORTAR			S						I				H/I
4.2 MORTAR			S						I				H/I
ARTILLERY									H				H/I
HAND GRENADE													F
DEMO											E		E
M18 (CLAYMORE)					E						E		E
MICLIC													T
M1A1 BANGALORE											E		E
FLASH (M74)													

E - Explosive H - HE (Impact Area Only) I - Illumination S - Sub Caliber
 T - Tng Practice F - Fragmentation L - Laser, Designator

	WESTERN CORRIDOR										AREA II		III	IV
	GARY OWEN	LIBERTY B	WILSON	N CAROLIN	KANSAS	TEXAS	OKLAHOMA	STORY IMP	JS A	N MEX MRF	YONGSAN	REYNOLDS	HUMPHREYS	CARROLL
PISTOL 9MM/.38/.45	B	B	B	B		B	B	B	B		B	B	B	B
M12 SHOTGUN	O	O	O	O		O		O	O			O		O
M16A1/A2	B	B	B	B		B	B	B	B	B	S	B	B	B
M3 SMG (45 CAL)	B	B	B	B		B		B	B					
M1/M2/M3 7.62/5.56														
M249 SAW (5.56)			B	B		B	B	B						
M60 MG (7.62)			B	B		B	B	B						B
M14/21/24 (7.62)	B	B	B	B		B	B	B			B			
M2 HB MG (M50)				B										
20MM CANNON														
VULCAN														
2.75MM FFAR														
M67 90MM RR														
M72A1/A2 LAW							S	H						
AT-4							S	H						
DRAGON								H						
TOW								H						

B - Ball O - 00 Buckshot S - Sub Caliber T - Tng Practice
 E - Explosive H - HE (Impact Area Only)

	WESTERN CORRIDOR										AREA II		III	IV
	GARY OWEN	LIBERTY B	WILSON	N CAROLIN	KANSAS	TEXAS	OKLAHOMA	STORY IMP	JS A	N MEX MRF	YONGSAN	REYNOLDS	HUMPHREYS	CARROLL
M2/M3 BRADLEY TOW														
AERIAL TOW														
M130 CHAFF														
M1 105MM														
165MM HEP														
M203 (40MM)				T		T	T	H						
MK-19								T						
60MM MORTAR								H/I						
81MM MORTAR								H/I						
4.2 MORTAR								H/I						
ARTILLERY								H/I						
HAND GRENADE					F			F						
DEMO					E			E						
M18 (CLAYMORE)					E	E		E						
MICLIC														
M1A1 BANGALORE					T			H						
FLASH (M74)								E						

E - Explosive H - HE (Impact Area Only) I - Illumination S - Sub Caliber
 T - Tng Practice F - Fragmentation L - Laser, Designator

APPENDIX D

SAFETY WAIVER CHECKLIST

This checklist is to be used by Area I RCC and requesting units when units require SDZ waivers to ranges in order to conduct training. Units must follow the procedures as listed.

RANGE SAFETY WAIVER CHECKLIST		
PART I: GENERAL INFORMATION		
Range name and Grid coordinates: _____/_____ Requesting Unit POC name/rank and phone number: _____/_____ Date of initial coordination brief to R.C. by Unit POC: _____ Type of training required on range: _____ Received by RCC POC (Name): _____ Date of initial review by RCC: _____ Dates of interim reviews by RCC: _____/_____/_____ Suspense (Due) Date: _____ Date of RCC concurrence/nonconcurrence: _____ Date forwarded through Command Safety & G3 for Staffing: _____		
YES	NO	PART II: RANGE CONTROL ACTIONS
		1. Unit given copy of this Checklist and sample approved packet.
		2. Draft and attach Staff Summary Sheet to checklist.
		3. Draft and attach RCC discussion/recommendation Memo.
		4. Draft and attach G3/Cmd Safety Memo of (Non)Concurrence.
		5. Draft and attach CG Memorandum of Approval/Disapproval.
YES	NO	PART III: UNIT ACTIONS
		1. OIC gives comprehensive range ops and safety brief to RCC POC.
		2. Justification Memo from Commander (Bde/Bn) requesting approval of training/safety waiver (includes the following information):
		a. Specific paragraph of AR 385-62 and/or AR 385-63 for which waiver is requested and reasons compliance cannot be accomplished.
		b. Range Usage Date(s).
		c. Types of Weapons and Ammunition to be used.
		d. Type of Training to be conducted.

		e. Number of Personnel to fire.
		f. Number and type of Vehicles to be used.
		g. Comprehensive narrative analysis of risks involved.
		h. Controlling/Safety factors applied (to compensate for the noncompliance to the regulation) to operational procedures and/or facility disposition.
		i. Recommendation paragraph.
		3. All enclosures to Memo properly labeled and attached. Include the following:
		a. Topographical map of range/facility 1:25,000).
		b. Scaled standard SDZ (acetate overlay) of wps to be fired.
		c. Scaled modified SDZ (acetate overlay) proposed for weapons.
		d. Scaled terrain profiles from FPs through the left, center, and right limits of fire. (Depict all FPs, tgt locations, man-made and geographic features, regulatory SDZ limits, modified SDZ limits, range boundaries, and Civilian property).
		e. Description of current range conditions. (Berms, physical construction, limiting devices, vegetation, soil condition, layout, topo features, and any other factors positively/ negatively affecting safe range operations.
		f. Range training SOP and scheme of maneuver. Include type of weapons and ammunition/explosives, safety control measures (road guards, commo, cease fire signals, MEDEVAC procedures, down range access control, operational restrictions, physically depicted phase lines/checkpoints, etc.), and/or any additional controlling/ limiting factors that will assist in safe range ops.
		g. Risk assessment checklist.
		h. Photographs of range, firing points, target areas, and boundaries (if possible).
		i. Copy of most recent command/installation safety office range safety inspection report (if available).

APPENDIX E

FORMAT FOR ACCIDENT/INCIDENT REPORTING PROCEDURES

1. Type of Accident/Incident: _____
2. Location of Accident/Incident: _____
3. Date/Time of Accident/Incident: _____
4. Personnel Involved:

<u>Name</u>	<u>Rank</u>	<u>SSN</u>	<u>Unit</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

5. Details of Accident/Incident (description of events, injuries or damage).

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

6. Reported by: _____
7. Date/Time of Report: _____
8. Other Agencies Notified/Time: _____

GLOSSARY

	2d Infantry Division
ACofS	Assistant Chief of Staff
CALFEX	combined arms live fire exercises
	explosive ordnance detachment
EUSA	Eighth United States Army
	field manual
	in accordance with
	Korean Service Corps
MEDEVAC	medical evacuation
	major subordinate command
	not later than
NTAC	Non-Training Activities Conference
	officer in charge
	range control center
RFMSS	Range Facility Management Support System
RMAAC	Range and Maneuver Area Allocation Conference
	Range Management Branch
	Range Management Division
	range officer in charge
	Republic of Korea
	Republic of Korea Army
ROKA-CS	Republic of Korea Army Coordination Section
ROKAF	Republic of Korea Air Force

EUSA Reg 350-10

range safety officer

surface danger zone

SO

safety officer

standing operating procedure

technical manual

U.S. Army Training Support Activity Korea

United States (of America)